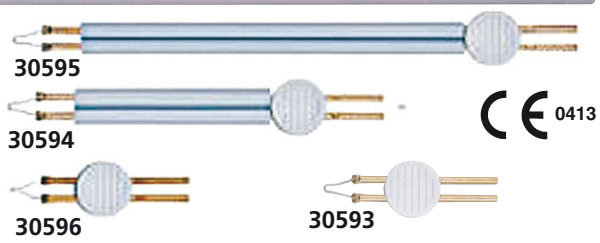
CHANGE-A-TIP™ CAUTERIES WITH HIGH TEMPERATURES

AARON CAUTERIES - made in USA
- Interchangeable sterile tips
- Replaceable batteries
- Reusable handles
- No sterilization necessary

30590
(Fine tip, not sterile, included)

GIMA code	INTERCHANGEABLE TIP CAUTERIES MINIMUM ORDER: 10 TIPS	Recommended for:
30590	Cautery handle "AA" (tip included)	All tips
30593	High temp loop tip - sterile	DER/ENT
30594	High temp 2"flex loop tip - sterile	GYN/ENT
30595	High temp 5"loop tip - long size - sterile	GYNAECOLOGY
30596	High temp fine tip - sterile	DER/CARDIO

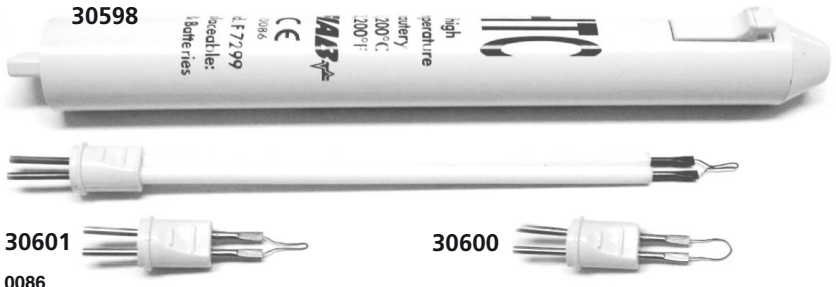


REUSABLE HIGH TEMPERATURE CAUTERY WITH REPLACEABLE TIP

CAUTERIES - 1,200°C (2,200°F) - made in Italy
- Interchangeable tips with nickel-crome wire
- Replaceable batteries - Reusable handles

Wide application in gynaecology, orthopedies, ear/nose/throat, dermatology, plastic and reconstruction surgery.

GIMA code	INTERCHANGEABLE TIP CAUTERIES MINIMUM ORDER: 10 TIPS
30598	Cautery handle "AA" (tip not included)
30599	High temp long fine tip - sterile - box of 10
30600	High temp large tip - sterile - box of 10
30601	High temp fine tip - sterile - box of 10



HIGH TEMPERATURE ELECTROCAUTERIES

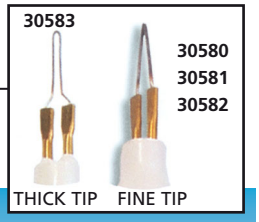
• 30580 ELECTROCAUTERY - 1,200 °C - fine tip - made in Italy
The Electrocautery is a sterile bipolar battery operated disposable device for the cauterization of small vessels; the temperature of the tip is 1,200°C. With a **fine tip** required in most of the surgeries.

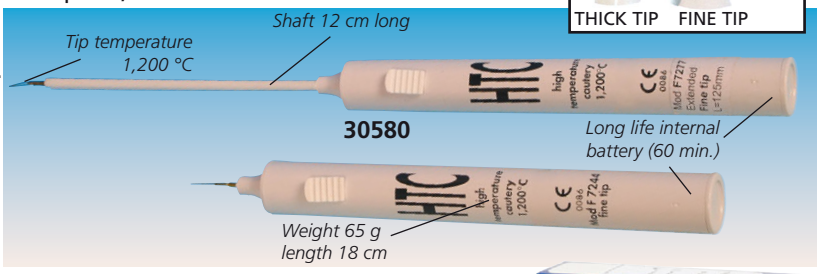
CE 0086

• 30582 GYNAECOLOGY CAUTERY - 1,200°C - fine tip
Same as 30580 but with the tip fixed on a shaft 12 cm long.

• 30581 ELECTROCAUTERY - 600 °C - fine tip
Same as 30580 but with lower temperature = 600°C. Expecially designed for ophthalmology.

• 30583 EMERGENCY ELECTROCAUTERY - 800°C - Thick tip
Same as 30580 but with "thick tip" that permits the perforation of nails in case of haematoma.





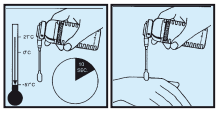
HISTOFREEZER® CRYOTHERAPEUTIC AID

• 30585 HISTOFREEZER® - mini kit
One 40 ml aerosol bottle, 2 applicators 2 mm and 3 applicators 5 mm

• 30587 HISTOFREEZER® - kit 2 mm
One 150 ml aerosol bottle and 60 applicators 2 mm.

• 30588 HISTOFREEZER® - kit 5 mm
One 150 ml aerosol bottle and 50 applicators 5 mm.

CE 0197



ELECTRODEPILATOR

• 28340 ELECTRO-DEPILATOR 400
This device ensures a definitive depilation with thermolitic method. It delivers a current of radiofrequency to cause the heating and consequent coagulation of the papilla, reached through the introduction of a needle into the follicle of the hair. Provided with highly reliable electronic integrated components, with RF intensity adjustable with continuity and luminous working signal.
It comes complete with footswitch, handpiece for depilation, depilation needle and power cable (2 m)

TECHNICAL SPECIFICATIONS
RF output frequency: 1.9 +/-10% MHz
Modulation: sinusoidal
Maximum output power: 7 +/-2Watt
Size: 260 x 265 x 110h mm Weight: 4 kg
Operating voltage: 115/230 V - 50/60 Hz. switchable
Norms: CEI 62-39 Class: I-BF

• 30552 HANDPIECE FOR DEPILATION
• 30560 DEPILATION OR MICROSURGERY NEEDLES
• 30568 FOOTSWITCH

MONOPOLAR ELECTROSURGERY UNITS - 50W AND 80W

30517

0051

TECHNICAL SPECIFICATIONS

		30516 - 106	30517 - 108
Output power:	CUT	50W/400 ohm	80W/400 ohm
	COAG	40W/400 ohm	50W/400 ohm
	BLEND	45W/400 ohm	60W/400 ohm
	MICRO	-	20W /600 ohm
Working frequency:		600 KHz +/- 10%	700 KHz +/- 10%
Size:		180x180x h 100 mm	180x180x h 100 mm
Weight:		2.8 kg	4 kg
Operating Voltage: 115/230 V - 50/60 Hz switchable			
Electric input power:		90 VA	230 VA
Fuse:		2x1 AT	2x2 A
Alarm for overheating		Footswitch operating	
Norms: EN60601-1Class I CF, EN 60601-1-2 93/42/EEC (Class IIb)			
Made in Italy		Warranty: 12 months	

STANDARD ACCESSORIES

KIRKY single-use handle without buttons
Standard foot-switch (30568)
Flat neutral plate with cable (30563)
Kit of 6 short autoclavable electrodes, Ø 2.4 mm, length 5 cm
Power cable 2 m - Shuko plug
User manual: available in English, Italian, Spanish. French 106 only

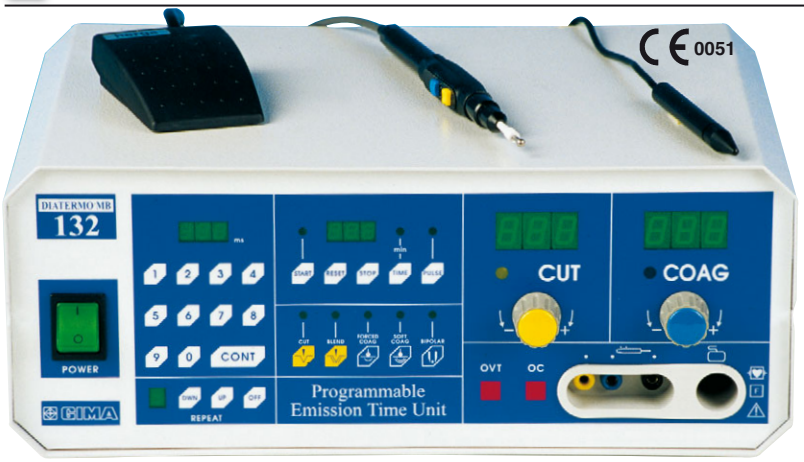
- **30516 DIATERMO 106 - 50W - monopolar**
- **30517 DIATERMO 108 - 80W - monopolar**

These HF electrosurgery units, are particularly suitable for small operations and are recommended for veterinary, dentistry, first aid and dermatology work.
They offer precision of cut and immediate coagulation and give excellent results in a large range of applications: from uterine coagulation to microcoagulation in dermatology.
Moreover you can choose from a wide variety of electrodes for any need.

The modes of operation, CUT, COAG BLEND and MICRO (30517 only), can be easily selected by a switch on the front panel.
The complete isolation between patient and the unit and strict respect of international norms guarantee total safety.

30516

DIATERMO MB 132 MONO-BIPOLAR - PROGRAMMABLE - 120 W



- **30544 DIATERMO MB 132 - mono-bipolar - 120 W**

HF electrosurgical unit suitable to perform middle monopolar or bipolar electrosurgery. By selection of the modes of operation MB 132 provides pure cut, coagulated cut, forced coagulation, soft coagulation and, with forceps, bipolar coagulation.
The use of either split or normal neutral plate are allowed.
Technology and precision: Using the digital keyboard MB 132 enables the user to regulate the HF emission time in cut or coagulation mode with great precision, and to reproduce a previous intervention.
Moreover it includes a useful **"repeat"** function which enables the user to repeat set impulses from 2 to 9 times, and a timer to monitor the elapsed time of the treatment or the whole operation.
Complete safety: an acoustic alarm (intermittent beep) and a blinking red led on front panel warns user that the neutral plate is unplugged or not in contact with the patient or the cable is disconnected.
In this case HF emission for cut and coagulation operation is switched off.

OVH Alarm: the unit incorporates an internal circuit protection to warn when the current delivery lasts too long.

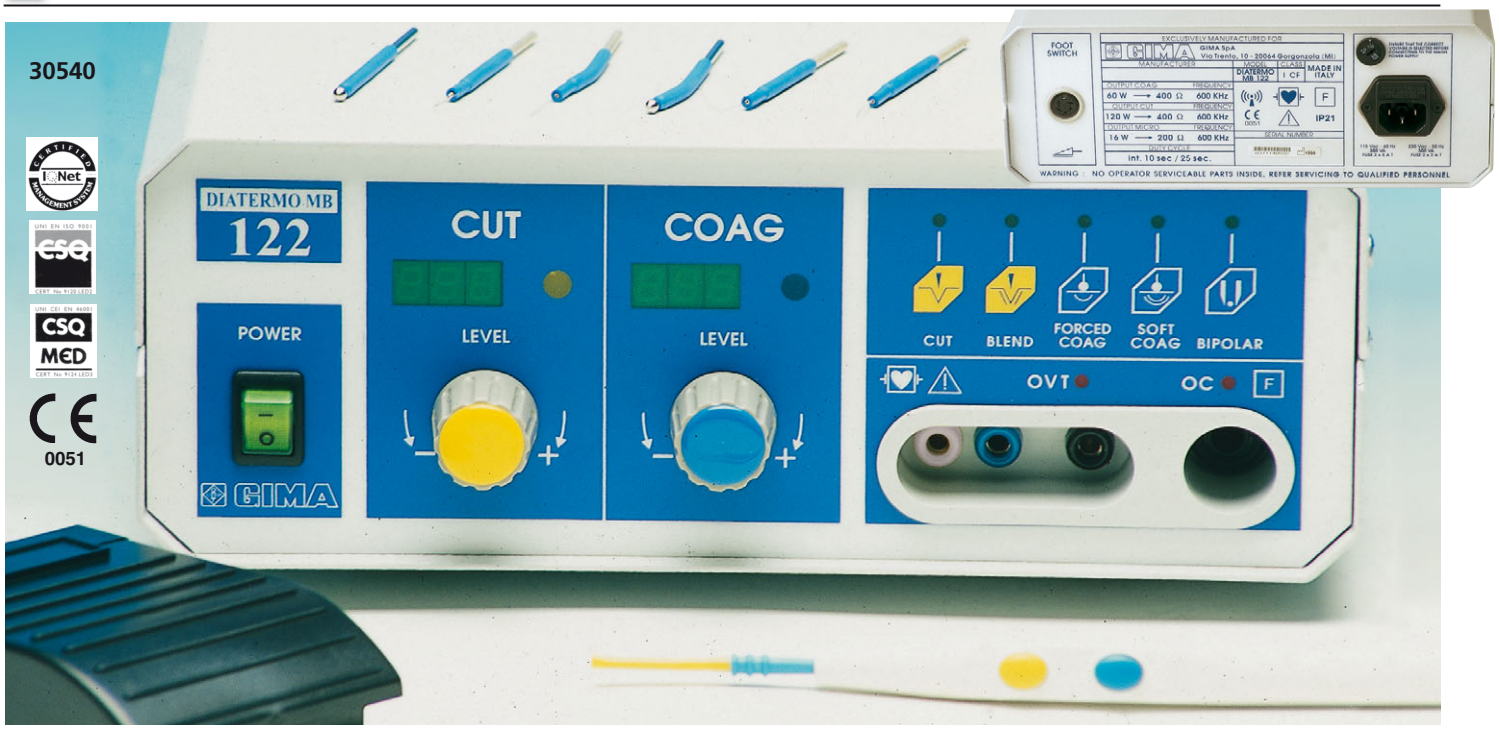
TECHNICAL SPECIFICATIONS

Minimum preselectable power	0	
Level step	1	
Maximum output power CUT (W)	120	250Ω
Maximum output power BLEND (W)	90	250Ω
Maximum output power COAG FORCED (W)	80	250Ω
Maximum output power COAG SOFT (W)	60	250Ω
Maximum output power BIPOLAR (W)	40	250Ω
Crest Factor CUT	1.5	
Crest Factor BLEND	2.1	
Crest Factor COAG FORCED	2.0	
Crest Factor COAG SOFT	1.7	
Crest Factor BIPOLAR	1.5	
Working frequency	600 kHz	
Weight Kg	8	
Size LxHxD mm	360x150x265	
Operating voltage (switchable)	115/230V-50/60 Hz	
Fuses 230Vac (5x20) TIMED	2x 3.15A	
Fuses 115Vac (5x20) TIMED	2x 6.3A	
Five steps adjustable sound level (from 55- to 75 dBA)	•	
Self-check	•	
Power accuracy output warning	•	
Split or not split patient plate allowed	•	
Repetition of timed delivery	da 2 a 9	
Timed delivery	1-999ms	
Last working condition storing	•	
Electrical Class (EN60601 - 1)	I CF	
MDD 93/42/EEC Class	II b	
Patient circuit	F	
Made in Italy		

STANDARD ACCESSORIES

Two-button handle (autoclavable code 30547)
MB operative foot-switch (usable in alternative to handle)
MB flat plate (neutral electrode)
Kit 10 short standard electrodes, diam. 2.4. mm.
Power cable 2 m
Microsurgery handle - Microsurgery needle
Manual: available in English, Italian, Spanish, French

DIATERMO MB 122 AND MB 160 MONO-BIPOLAR - 120 W - 160 W



- **30540 DIATERMO MB 122 - mono-bipolar - 120 W**
- **30541 DIATERMO MB 160 - mono-bipolar - 160 W**

MB 122 and 160 are HF electrosurgical units suitable to perform middle monopolar or bipolar electrosurgery.
By selection of the modes of operation they provide pure cut, coagulated cut, forced coagulation, soft coagulation and, with forceps, bipolar coagulation. The use of either split or normal neutral plate is allowed. MB 160 is recommended in case of operational fields damp for instance mucous, or tissue whose composition is varying, with consequent need to have reserve of usable power. For these reasons, MB 160 is suggested for Gynecological and orthopedic surgery.
Leading-Edge Technology. This advanced concept device enables highly professional surgery intervention thanks to ergonomic and safety features derived from high power theatre apparatus.
Complete safety. Open Circuit (OC) Alarm warns the user that connection into the neutral plate has not been made or that the cable is disconnected or the neutral plate is not in contact with the patient. The alarm is signalled by an intermittent beep together with a flashing red light on the front panel. In this case HF emission for cut and coagulation operation is switched off.
OVT Alarm. The unit includes an internal circuit protection warning when the current delivery lasts too much.

- **27139 DIATERMO NYLON BAG - black** See page 31

Diatermo MB 122 - MB 160 standard accessories
MB single-use two button handles
MB operative foot-switch (usable as alternative to handle)
MB flat neutral plate Power cable 2 m
Kit of 6 short autoclavable electrodes, diam. 2.4 mm.
User manual: available in English, Spanish, Italian, French, Polish

TECHNICAL SPECIFICATIONS

	MB122		MB160	
Minimum preselectable power	0		0	
Level step	1		1	
Maximum output power CUT (W)	120	250Ω	160	250Ω
Maximum output power BLEND (W)	90	200Ω	120	200Ω
Maximum output power COAG FORCED (W)	80	150Ω	100	l50Ω
Maximum output power COAG SOFT (W)	60	100Ω	80	100Ω
Maximum output power BIPOLAR (W)	40	100Ω	60	100Ω
Crest Factor CUT	1.5		1.5	
Crest Factor BLEND	2.1		2.1	
Crest Factor COAG FORCED	2.0		2.0	
Crest Factor COAG SOFT	1.7		1.7	
Crest Factor BIPOLAR	1.5		1.5	
Working frequency	600 kHz		600 kHz	
Weight Kg	7		7	
Size LxHxD mm	260x110x265		260x110x265	
Operating voltage (switchable)	115 -230		115 -230	
Mains frequency (Hz)	50-60		50-60	
Fuses 230Vac (5x20) TIMED	2x 3.15A		2x 3.15A	
Fuses 115Vac (5x20) TIMED	2x 6.3A		2x 6.3A	
Electrical input power (VA)	300		350	
Electrical input current (230Vac) (A)	1.3		1.5	
Electrical input current (115Vac) (A)	2.6		3	
Five steps adjustable sound level (from 55- to 75dBA)	•		•	
Self-check	•		•	
Power accuracy output warning	•		•	
Split or not split patient plate allowed	•		•	
Last working condition storing	•		•	
Electrical Class (EN60601 - 1)	I CF		I CF	
MDD 93/42/EEC Class	II B		II B	
Patient circuit	F		F	
Conform to EN60601-1-4 (1998)	•		•	

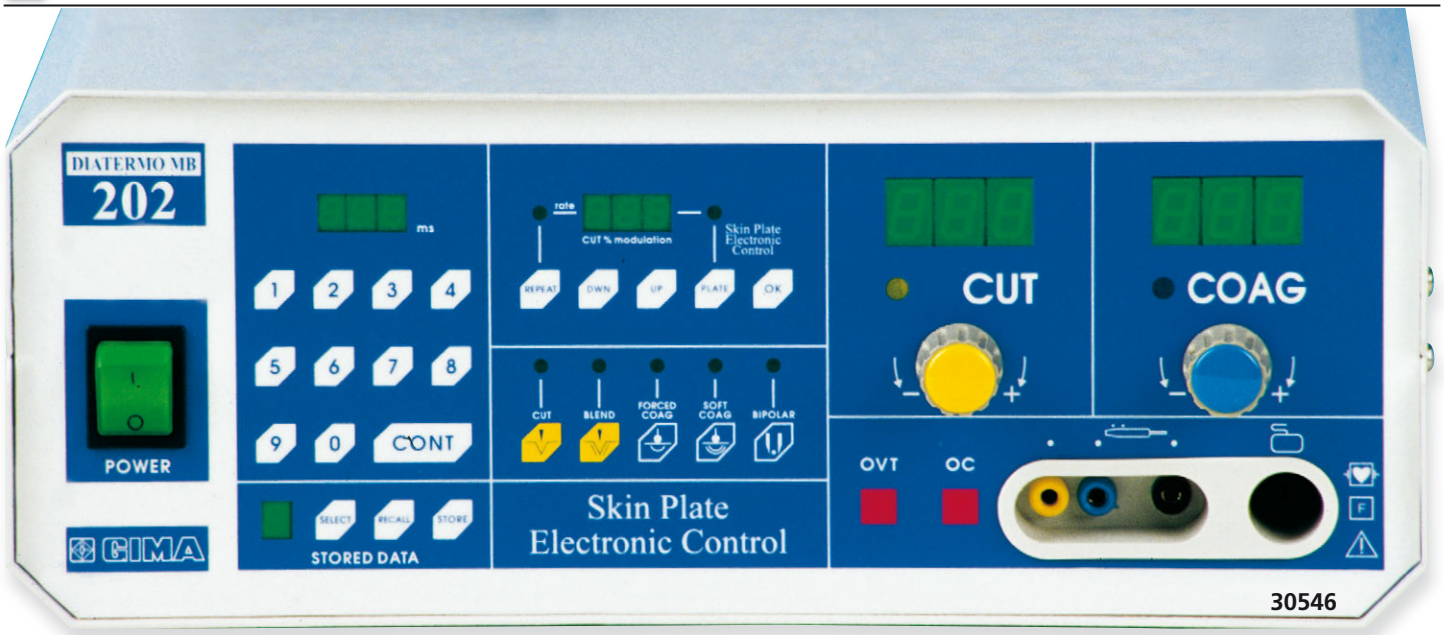
FOOTSWITCHES AND BOARD

GIMA code	FOOTSWITCHES FOR MB 122, 132, 160, 200, 202
30568	Standard footswitch - 2 m cable
30576	Standard footswitch - 3 m cable
30571	Waterproof MB footswitch - 2m cable
30570	Double MB footswitch - antiexplosion, water proof
	FOOTSWITCHES FOR MB 240, 250, 380, 400
30569	Double antiexplosion, water proof footswitch - MB240-380
30572	Double antiexplosion, water proof footswitch - MB250-400
	MAIN BOARD
30557	Main board - specify model and serial number of diatermo with order
30558	Output board for MB 240, 250, 380, 400 - specify as above

30569

It allows selection from pedal of CUT and COAG functions Antiexplosion and waterproof.

DIATERMO MB 200 AND MB 202 - MONO-BIPOLAR - 200 W



- **30542 DIATERMO MB 200 - 200 Watt**
- **30546 DIATERMO MB 202 - 200 Watt**

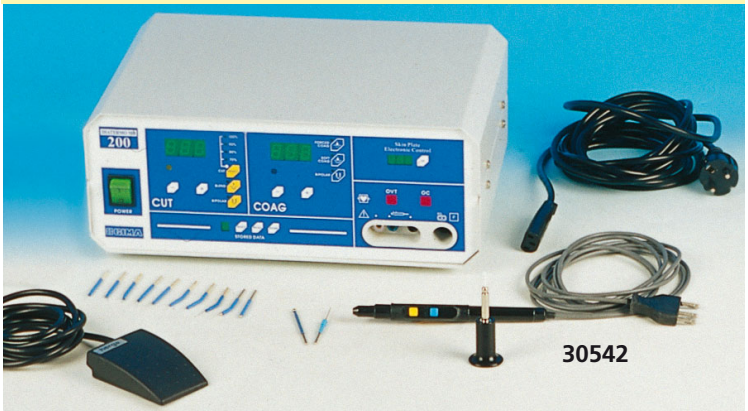
DIATERMO MB200 and MB202 are HF electrosurgical units suitable to perform middle monopolar or bipolar electrosurgery.
The available waveforms and peak voltage value, as well as the accurate HF leakage current operation for polypectomy, TURP, intrauterine resections, endometriosis excision, etc.
The units allow the accurate preset of the output power with as low as 1 Watt resolution and to perform coagulation by high crest factor current, to get an elevated thermal effect, as well as with low voltage low crest factor current, to get coagulation in absence of carbonization.
Ten different programs related to ten different operative conditions could be stored and easily recalled by the surgeon.
The use of either split or normal neutral plates are allowed.
A special electronic circuit (Skin Plate Electronic Control) continuously checks if the plate is safely connected to the patient and detects unwanted short circuit in the connecting cable.
An over time warning (OVT) is provided to prevent excessive heating of the tissue around the surgical target due to too long current delivery time.
DIATERMO MB202, furthermore, can be used with current delivery time equal to that of actuation of the output power switch as well as with preset current delivery time in the range from 1 ms up to 999 ms.
The output pulse can be automatically repeated 1 to 250 times.
The presetting of the current delivery time is proper for collecting of bioptic samples and for microsurgical dermatologic operationy like treatment of telangiectasias, spider nevus, angiomas, etc.
Bipolar cable and forceps are not included in standard accessories.

TECHNICAL SPECIFICATIONS

	MB200		MB202	
Minimum preselectable power	0		0	
Level step digital	1		1	
Maximum output power CUT (W)	200	250Ω	200	250Ω
Maximum output power CUT 90% (W)	200	250Ω	200	250Ω
Maximum output power CUT 80% (W)	200	250Ω	200	250Ω
Maximum output power CUT 70% (W)	200	250Ω	200	250Ω
Maximum output power BLEND (W)	120	200Ω	120	200Ω
Maximum output power COAG FORCED (W)	150	150Ω	150	l50Ω
Maximum output power COAG SOFT (W)	90	100Ω	100	100Ω
Maximum output power BIPOLAR (W)	-		100	100Ω
Maximum output power BIPOLAR COAG (W)	100	100Ω	-	
Maximum output power BIPOLAR CUT (W)	120	250Ω	-	
Crest Factor CUT	1.5		1.5	
Crest Factor CUT 90%	1.6		1.6	
Crest Factor CUT 80%	1.7		1.7	
Crest Factor CUT 70%	1.8		1.8	
Crest Factor BLEND	2.1		2.1	
Crest Factor COAG FORCED	2.0		2.0	
Crest Factor COAG SOFT	1.7		1.7	
Crest Factor BIPOLAR	-		1.5	
Crest Factor BIPOLAR CUT (W)	1.5		-	
Crest Factor BIPOLAR CUT (W)	1.5		-	
Working frequency	600 kHz		600 kHz	
Weight Kg	8		8	
Size LxHxD mm	360x150x265		360x150x265	
Selectable mains power(Vac)	115 -230		115 -230	
Mains frequency (Hz)	50-60		50-60	
Fuses 230Vac (5x20) TIMED	2x 3.15A		2x 3.15A	
Fuses 115Vac (5x20) TIMED	2x 6.3A		2x 6.3A	
Power accuracy output warning system	•		•	
Split or not split patient plate allowed	•		•	
Timed delivery repetition	-		1-999ms	
Electrical Class (EN60601 - 1)	I CF		I CF	
MDD 93/42/EEC Class	II b		II b	
Patient circuit	F		F	
Duty cycle (action/pause) in seconds	10/30		10/30	

DIATERMO MB 200 - MB 202 STANDARD ACCESSORIES

MB two-button handle (autoclavable code 30547) handle in beside picture is not correct
MB operative foot-switch (usable in alternative to handle)
MB flat neutral metal plate with cable
Kit 9 short standard electrodes, diam. 2.4. mm.
Power cable 2 m
Microsurgery handle - Microsurgery needle (10 pcs.) (only MB 202)
Manual: available in English, Italian, French (only MB 202)



HOSPITAL HF ELECTROSURGICAL UNITS 240 AND 380 WATT

30690

CONTEMPORARY DUAL MODE MB 240 and 380 can be used in the same time in monopolar mode (by handle) and bipolar mode (by footswitch)

A special electronic circuit (Skin Plate Electronic Control) continuosly warns the plate to patient contact safety and unwanted short circuit in the connecting cable

- **30690 DIATERMO MB 240**
- **30692 DIATERMO MB 380**

CE 0051

These HF electrosurgical units can be used to execute monopolar and bipolar surgery when high precision and reliability are essential, as in the endoscopic surgery.

EASY TO USE

Graphic icons allow an easy selection of the operation mode. All operating conditions and selected output controls are represented by bright digital indications.

CUT

The monopolar cut can be performed by pure sine current to obtain an incision with a minimum damage for the adjacent tissues and sure recovery for first intention.
Two different modalities of modulation allow to reduce bleeding during monopolar cut. In the bipolar modality the cut can be effected by pure sine current.

HEMOSTASIS

When the surgical action requires the obliteration of a blood vessel the availability of currents with different coagulative powers enables this type of work both with monopolar and bipolar surgery.

FULGURATION

When it is necessary to cause a superficial necrosis of wide areas, protecting the deeper tissues, a special coagulant current that dehydrates the superficial layer of the tissue and reduces the possibility to damage those beneath is available for the operation.

OUTPUT CONTROL

Output power levels are adjustable through incremental encoders that allow the exact pre-sets and repetition of the values. The output function is linearized and controlled by ultra-modern electronic micro-controllers which will interrupt power if any alarm condition happens.

SAFETY OF USE

Circuits dedicated to the safety of operator and patient are the priority. This ensure the leakage current is kept well under the values by the international requirements, under every output condition. Monopolar and bipolar output circuits are completely floating and the use of the defibrillator is allowed while the reference plate patient is connected.

RELIABILITY

DIATERMO MB uses all solid state electronic circuits and is made with interchangeable units for a fast and effective maintenance. Automatic control circuits protect the units from damage also in case of repeated improper use.

30692

TECHNICAL SPECIFICATIONS DIATERMO MB 240/DIATERMO MB 380

Activation devices
Bipolar: footswitch
Dual: bipolar - footswitch
monopolar - manual
Monopolar: footswitch
manual
Mains: 115/230 Vac 50-60 Hz
Absorption: 800 VA
Class I CF
Weight: 15 kg
Size: 370 x 470 x h 150 mm
Warranty: 12 months
(accessories not included)
Norms: IEC 601-2-2 - IEC 601-1
CE, 93/42/EEC

	Working frequency	Max power 240/MB 380	Peak to peak voltage	Load resistance
Monopolar output	475 kHz			
Cut output		250W/375W	1,4 kV	300 Ohm
Cut/coag 1 output		225W/340W	1,4 kV	300 Ohm
Cut/coag 2 output		200W/300W	1,4 kV	300 Ohm
Coag 1 output		150W/225W	1,4 kV	300 Ohm
Coag 2 output		100W/150W	1,4 kV	300 Ohm
Coag 3 output (spray)		80W	4,2 kV	2000 Ohm
Bipolar output	525 kHz			
Cut output		90W	0,5 kV	100 Ohm
Coag output		80W	0,5 kV	100 Ohm

STANDARD ACCESSORIES

1 - Power supply cord SIEM-CEE 5 m
1 - Two-button handle (autoclavable code 30547)
5 - Two-button handle (cold sterilizable)
1 - Cable for disposable plate
5 - Disposable plate
1 - Water proof double foot switch
3 - Short, general surgery blade electrode
3 - Long, general surgery blade electrode
3 - Short, general surgery needle electrode
3 - Short, general surgery ball electrode
1 - User manual (Italian, English, Spanish)
1 - Service manual (Italian, English, French, Spanish)

LAPAROSCOPIC ELECTRODES

30605

30606

30607

30605

Laparoscopic electrodes for use with Diatermo MB 240/250/380/400 with connecting cable 4 mm (30609)

GIMA code	LAPAROSCOPIC ELECTRODES
30605	L-Hook electrode - 36 cm
30606	J-Hook electrode - 36 cm
30607	Spatula electrode - 36 cm
30609	Monopolar cable - 4 mm - M - F

To electrode

To generator

HOSPITAL HF ELECTROSURGICAL UNITS 250 AND 400 WATT

ARGON COMPATIBLE

2 MONOPOLAR OUTPUT

PROGRAMME MEMORY

AUTO START/STOP (BIPOLAR)

- **30694 DIATERMO MB 250**
- **30696 DIATERMO MB 400**

DIATERMO MB250 and MB400 are high frequency electro-surgical equipments suitable to deliver current for monopolar cut and coagulated cut (with different levels of coagulation), bipolar cut and coagulation. During bipolar coagulation there is an automatic "Autostart-Autostop" system which activates when coagulation is reached.
A range of ten different modes and power levels can be easily stored and recalled. It is possible to use either single plate neutral electrodes or split conductive zone electrodes in order to control impedance stability of plate to patient contact during the surgical operation.

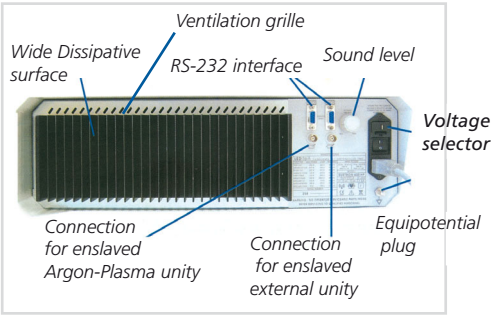
Control of the units is made by front panel keys and display; mains inlet is located on the rear panel.
The units have automatic control systems to monitor the internal parameters and alert on possible damages/errors.
The operational parameters used are constantly stored so that the last selected parameters are recalled, every time the unit is switched on or the operative method is changed.
The level of sound can be adjusted, every operator can choose his own level according to the environmental working conditions.
The units can work through handles with pushbuttons or handles without pushbuttons but with double foot switch. It's possible to connect bipolar forceps to the unit for the bipolar functions.

TECHNICAL SPECIFICATIONS MB250/MB400

Work condition memorization
Digital power visualization
Continuous check control
Automatic control of the plate-patient connection
Automatic control of the impedance
Automatic control of excessive time for distribution
Automatic control of the supplied power level
Bipolar coag with automatic activation/disact.
Consistent with Argon unit
Minimum preselectable power: 0
Unitary power step for powers from 0 W to 50 W
Power step 10 for powers higher than 50 W
Digital level display
Selection of power through push-buttons
Size LxHxP mm: 470 x 150 x 380
Weight (kg): 18
Selectable mains power (Vac): 115-230
Mains frequency (Hz): 50-60
Fuses 230Vac (5x20) TIMED: 2xT 4A/5A
Fuses 115Vac (5x20) TIMED: 2xT 8A/10A
Electrical input power (VA): 800/1000
Electrical input current (230Vac) (A): 3.5/4.5
Electrical input current (115Vac) (A): 7/9
Five steps adjustable sound level
Self-check
Power accuracy output warning
Skin Plate Electronic Control (plate-patient control)
Split or not split patient plate allowed
Working condition storing: last 10 setup
Electrical Class (EN60601-1): ICF
MDD 93/42/EEC Class: II b
EN55011 (CISPR 1 1) Class (Class/Group): 2/B
Patient circuit: F
Duty Cycle (action/pause) in seconds: 10-30
Output power control by foot-switch or finger-switch
Defibrillation-proof
Ten seconds delivery warning (OVT)
Equipotential binding
Metallic cabinet
Polycarbonate covered panels
Conform to EN60601-1 (1998)
Conform to EN6060 1 - 1 -2 (2003)
Conform to EN6060 1 -2-2 (2000)

MONOPOLAR AND BIPOLAR APPLICATION DIATERMO MB 250 AND MB 400

	Working Frequency	Max Power MB250/400	Imped.	Maximum output voltage	Modulation factor	Duty Cycle	Crest Factor
Monopolar Applications	425 kHz						
Cut		250/400 W	300 Ω	1500 Vpp	-	-	1.6
Cut/Coag 80%		220/300 W	300 Ω	1500 Vpp	10 kHz	80%	1.8
Cut/Coag 60%		200/250 W	300 Ω	1500 Vpp	10 kHz	60%	2.1
Cut/Coag 40%		150/200 W	300 Ω	1500 Vpp	10 kHz	40%	2.6
Enhanced Cut		150/250 W	300 Ω	1500 Vpp	1.25 kHz	5%	1.6
Blend		150/250 W	500 Ω	2500 Vpp	-	-	1.6
Speedy Coag		100/120 W	500 Ω	2500 Vpp	8-12 kHz	20%	3.4
Deep Coag		100/120 W	500 Ω	800 Vpp	-	-	1.6
Spray Coag		60/100 W	2000 Ω	4500 Vpp	1 kHz	20%	3.4
Spray Coag Argon		60/100 W	2000 Ω	4500 Vpp	1 kHz		3.4
Bipolar Applications	525 kHz						
Bipolar Cut		120 W	150 Ω	800 Vpp	-	-	1.5
Bipolar Cut/Coag 80%		100 W	150 Ω	800 Vpp	10 kHz	80%	1.7
Bipolar Cut/Coag 60%		100 W	150 Ω	800 Vpp	10 kHz	60%	2.0
Bipolar Cut/Coag 40%		60 W	150 Ω	800 Vpp	10 kHz	40%	2.4
Bipolar Blend		100 W	300 Ω	1100 Vpp	-	-	1.7
Bipolar Deep Coag		70 W	100 Ω	400 Vpp	-	-	1.5

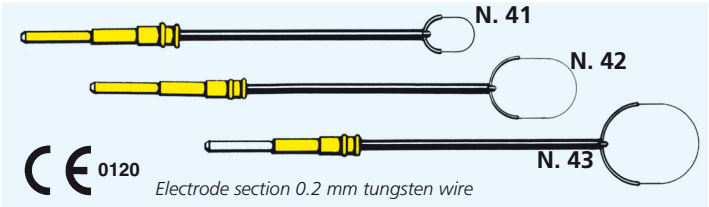


STANDARD ACCESSORIES

1 - Power supply cord SIEM-CEE 5 m
1 - Two-button handle (autoclavable code 30547)
5 - Two-button handle (cold sterilizable)
1 - Cable for disposable plate
5 - Disposable plate
2 - HP double Water proof foot switch
3 - Short, general surgery blade electrode 7 cm
3 - Long, general surgery blade electrode 10 cm
3 - Short, general surgery needle electrode 5.5 cm
3 - Short, general surgery ball electrode Ø 4 mm, 6 cm
1 - Electrode brush
1 - User manual (Italian, English)
1 - Service manual (Italian, English)

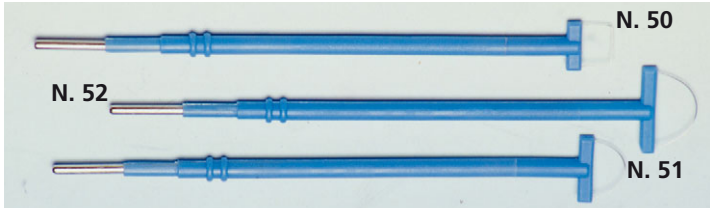
Standard accessories

LOOP COLPOSCOPY AUTOCLAVABLE ELECTRODES



Electrode section 0.2 mm tungsten wire

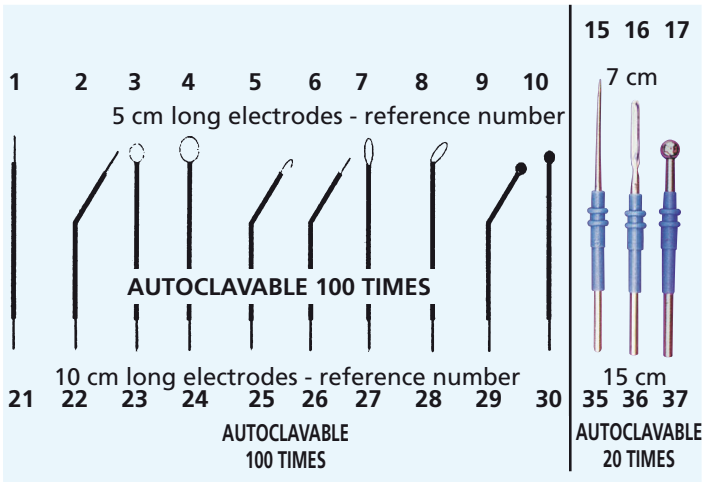
GIMA code	Reference number	COLPOSCOPY ELECTRODES - Ø 2.4 mm autoclavable at 120° C	Shaft length	Electrode width	Electrode depth
30680	41	Loop electrode - 8 mm	11 cm	8 mm	8 mm
30682	42	Loop electrode - 15 mm	11 cm	15 mm	15 mm
30683	43	Loop electrode - 20 mm	11 cm	20 mm	15 mm



GIMA code	Reference number	LOOP ELECTRODES - Ø 2.4 mm autoclavable at 120° C	Shaft length	Electrode width	Electrode depth
30686	50	Square loop electrode	13 cm	10 mm	8 mm
30687	51	Loop electrode	13 cm	15 mm	8 mm
30688	52	Loop electrode	13 cm	20 mm	10 mm

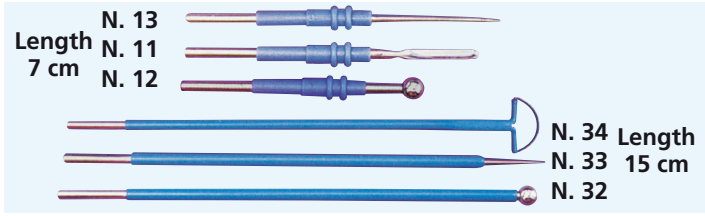
AUTOCLAVABLE ELECTRODES

GIMA code	Reference number	AUTOCLAVABLE ELECTRODES Ø 2.4 mm	Reference number	GIMA code
length 5 cm		minimum order: 6 pcs.	length 10 cm	
30501	1	Electrode wire - straight	21	30521
30502	2	Electrode wire - angled 45°	22	30522
30503	3	Electrode bend - Ø 4 - straight	23	30523
30504	4	Electrode bend - Ø 8 - straight	24	30524
30505	5	Electrode hook - angled 45°	25	30525
30506	6	Electrode wire 1 mm.- angled 45°	26	30526
30507	7	Electrode straight slip-knot - straight	27	30527
30508	8	Electrode angled slip-knot - straight	28	30528
30509	9	Electrode ball point - Ø 3 mm. - angled 45°	29	30529
30510	10	Electrode ball point - Ø 3 mm. - straight	30	30530
30500	SET	Set of 10 electrodes	SET	30531
length 7 cm		minimum order: 10 pcs.	length 15 cm	
30511	15	Needle electrode	35	30532
30512	16	Blade electrode	36	30533
30513	17	Ball electrode	37	30534

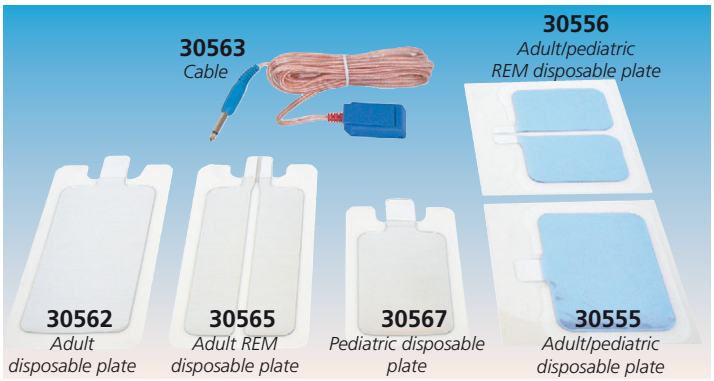

1 2 3 4 5 6 7 8 9 10
5 cm long electrodes - reference number
AUTOCLAVABLE 100 TIMES
10 cm long electrodes - reference number
21 22 23 24 25 26 27 28 29 30
AUTOCLAVABLE
100 TIMES
15 16 17
7 cm
15 cm
35 36 37
AUTOCLAVABLE
20 TIMES

SINGLE USE STERILE ELECTRODES

GIMA code	Reference number	SINGLE USE ELECTRODES Ø 2.4 mm minimum order: 24 pcs.	Reference number	GIMA code
length 7 cm		Sterile electrode	length 15 cm	
30670	13	Needle electrode - sterile electrode	33	30674
30671	11	Blade electrode - sterile	31	30675
30672	12	Ball ø 4 mm. electrode - sterile	32	30676
		Sterile electrode		
-	-	Loop electrode - 15mmx8mm	34	30678



SINGLE USE, METAL AND RUBBER PLATES



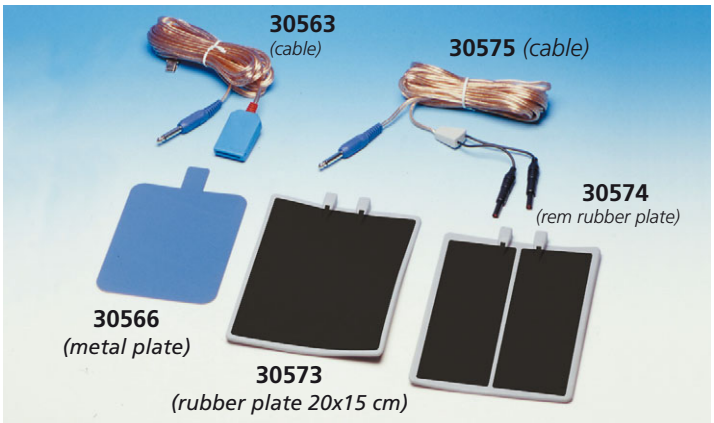
- **30562 DISPOSABLE GROUND PADS WITH SOLID GEL - adult**
- **30567 DISPOSABLE GROUND PADS WITH SOLID GEL - pediatric**
- **30565 REM DISPOSABLE GROUND PADS WITH SOLID GEL - adult**

Adult ground plate with solid gel. Single use plate individually packed

- **30563 CABLE FOR PLATES - 5 m**

Universal cable to connect plates (30555/6, 30562, 30565/6/7) to diatermo. Safety lock with universal connection - bipolar Ø 6.3 mm plug.

- **30555 DISPOSABLE NON WOVEN GROUND PADS - adult/ped**
- **30556 REM DISPOSABLE NON WOVEN GROUND PADS - adult/ped**



- **30573 RUBBER PLATE 20x15 cm - without cable**
- **30574 REM RUBBER PLATE 20x15 cm - without cable**
- **30575 CABLE FOR RUBBER PLATES**
- **30566 METAL PLATE - without cable**
- **30563 CABLE FOR PLATES - 5 m**
- **30559 CABLE FOR PLATES - 2.5 m**

MONOPOLAR HANDLES WITH OR WITHOUT SWITCHES

MB HANDLES with 2 "click" push-buttons

GIMA autoclavable electrosurgery pencils with CUT-COAG switch have been studied and tested to offer maximum reliability and functionality to the operator. MB handles are provided with a 3 Pins socket Valley Lab type that fits all Gima mono-bipolar Diatermo MB (122, 132, 160, 200, 202, 240, 250, 380, 400) and majority of bipolar electrosurgical units: Aspen Lab, ES Generator, EMC Statome, Danieli, Braun, Berchtold, Ohmeda, Ritter, Conmed, Eschman, Bovie, Martin, Kontron, Bard, Birtcher 771, Cobi, Valley Lab, Led, Erbe...

- **30554 MB AUTOCLAVABLE HANDLE - 100 times**

Autoclavable handle **with 2 large "click" push-button**, provided with a 3 meters long silicone cable and a blade electrode. It can be autoclaved up to 100 times (20 times electrode). **For electrodes Ø 2.4 mm**

- **30550 PRIMA MB AUTOCLAVABLE HANDLE - 60 times**

Autoclavable handle **with 2 large "click" push-button**, provided with a 3 meters long silicone cable and a blade electrode. It can be autoclaved up to 60 times. **For electrodes Ø 2.4 mm**

- **30548 STAR AUTOCLAVABLE HANDLE - 30 times**

Same as code 30554 but autoclavable up to 30 times (electrode is autoclavable up to 20 times). **For electrodes Ø 2.4 mm**

- **30549 STAR 5 AUTOCLAVABLE HANDLE - 30 times**

Same as STAR, but with a 5 meters long silicone cable

- **30547 ORION AUTOCLAVABLE HANDLE - 100 times**

Same as 30554, but with a screw clamp locking system that not only guarantees a safe contact, but also adapts to the different electrode diameters.

- **30551 KIRKY SINGLE-USE HANDLE-STERILE**

Single-use handle **with "click" push-buttons** for cut and coag. Includes blade electrode. **minimum order: 10 pcs.**

- **30553 GIMA SINGLE-USE HANDLE-STERILE**

Same as 30551 **minimum order: 10 pcs.**

106-108 HANDLES

These handles are provided with a 1 Pin socket (4 mm) that fits all Gima Diatermo and majority of electrosurgical units in the market. These handles **do not have push-buttons.**

- **30519 AUTOCLAVABLE 106-108 HANDLE**

Autoclavable handle **without buttons**, provided with a 3 meters long cable and a blade electrode. It can be autoclaved up to 50 times.

- **30518 KIRKY SINGLE-USE 106-108 HANDLE- STERILE**

Single-use handle without button with blade electrode with 4 mm PIN connection. **minimum order: 10 pcs.**

MICROSURGERY

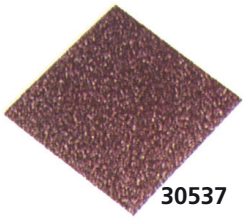
Microsurgery accessories for all GIMA Diatermo and electro-depilators

- **30552 MICROSURGERY HANDLE**
- **30560 MICROSURGERY NEEDLE**

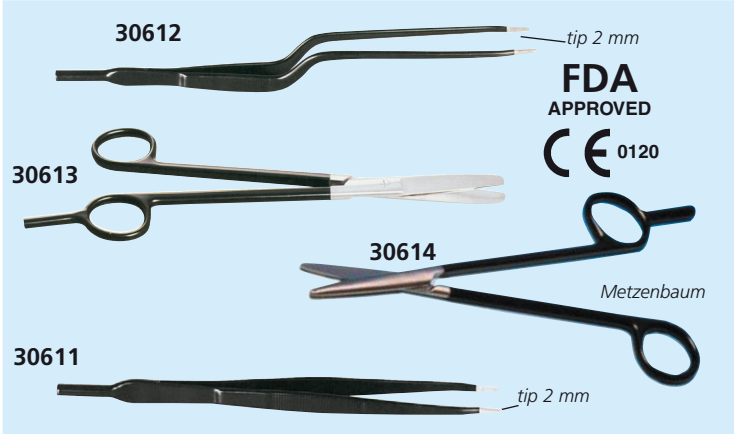
ELECTRODE BRUSH

- **30537 ELECTRODE BRUSH - 50x50 mm**

Disposable sterile radiopaque abrasive tip cleaner pad. Box of 100



MONOPOLAR FORCEPS, SCISSORS AND CABLES



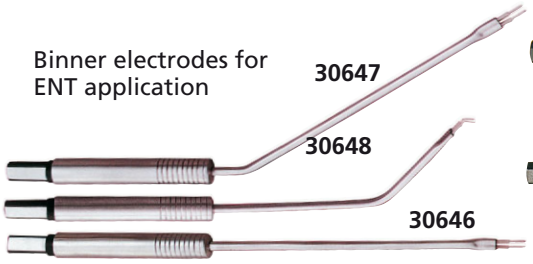
Monopolar forceps are provided with a 4 mm connection for standard monopolar cables.
These can be used with all Gima, Led, Erbe and many other electrosurgical units in the market.

GIMA code	INSULATED MONOPOLAR INSTRUMENTS
30610	Monopolar cable - 4 mm pin
30611	Mc INDOE straight monopolar forceps 15 cm. (6")
30612	Bayonet monopolar forceps - 19 cm. (71/2")
30613	Monopolar scissors - 18 cm. (7")
30614	Metzenbaum monopolar scissors - straight - 18 cm (7")
30615	Metzenbaum monopolar scissors - curved - 18 cm (7")

UNIVERSAL HIGH QUALITY INSULATED BIPOLAR FORCEPS

EUROPEAN CONNECTOR BIPOLAR FORCEPS

Binner electrodes for ENT application



CE 0120 ISO 9001 ISO 13485

FDA Approved

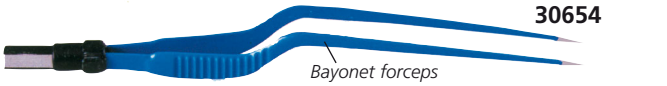
Ophthalmic/Micro forceps

MC PHERSON 30669

JEWELER 30665

JEWELER 30666

30667 General forceps

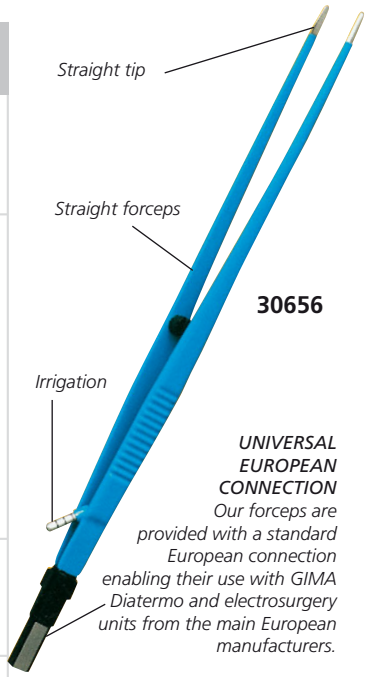


30654 Bayonet forceps

30652 Angled tip

30651

GIMA code	Model	Connector	Length		Tip style	Application	Tip size
			cm	inches			
30645	BINNER	EU	22 cm	8 1/2"	ANGLED	ENT	-
30646	BINNER	EU	18 cm	7"	STRAIGHT	ENT	-
30647	BINNER	EU	18 cm	7"	ANGLED	ENT	-
30648	BINNER	EU	19 cm	7 3/8"	ANGLED 45°	ENT	-
30650	STRAIGHT	EU	18 cm	7"	STRAIGHT	GENERAL	1 mm round points
30656	STRAIGHT with irrigation	EU	18 cm	7"	STRAIGHT	GENERAL	1 mm round points
30651	STRAIGHT	EU	20 cm	7 3/4"	STRAIGHT	GENERAL	1 mm round points
30658	STRAIGHT	EU	20 cm	7 3/4"	STRAIGHT	GENERAL	2 mm round points
30652	STRAIGHT	EU	18 cm	7"	ANGLED	GENERAL	1 mm round points
30653	STRAIGHT	EU	20 cm	7 3/4"	ANGLED	GENERAL	1 mm round points
30654	BAYONET	EU	18 cm	7"	STRAIGHT	GENERAL	1 mm round points
30655	BAYONET	EU	20 cm	7 3/4"	STRAIGHT	GENERAL	1 mm round points
30660	STRAIGHT	EU	18 cm	7"	ANGLED	GENERAL	0.3 mm points
30661	STRAIGHT	EU	18 cm	7"	STRAIGHT	GENERAL	0.3 mm points
30662	STRAIGHT	EU	20 cm	7 3/4"	STRAIGHT	GENERAL	0.3 mm points
30665	JEWELER 5	EU	11.5 cm	4 1/2"	STRAIGHT	OPHTHALMIC/MICRO	0.25 mm points
30666	JEWELER 5	EU	11.5 cm	4 1/2"	ANGLED	OPHTHALMIC/MICRO	0.25 mm points
30667	STRAIGHT	EU	15 cm	6"	STRAIGHT	OPHTHALMIC/MICRO	0.5 mm points
30668	STRAIGHT	EU	15 cm	6"	ANGLED	OPHTHALMIC/MICRO	0.5 mm points
30669	Mc PHERSON	EU	10.2 cm	4"	STRAIGHT	OPHTHALMIC/MICRO	0.5 mm points



UNIVERSAL EUROPEAN CONNECTION
Our forceps are provided with a standard European connection enabling their use with GIMA Diatermo and electrosurgery units from the main European manufacturers.

US CONNECTOR BIPOLAR FORCEPS

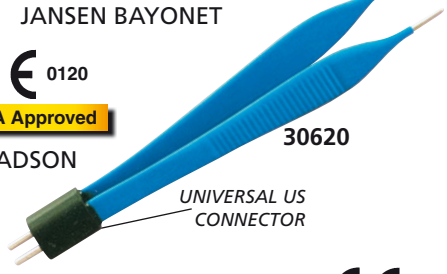
30621 SEMKIN **30622** CUSHING **30623** JANSEN BAYONET

	Model	Connector	Length		Application	Straight tip
			cm	inches		Size
30620	ADSON	US	12.1 cm	4 3/4"	GENERAL/PLASTIC	1 mm round points
30621	SEMKIN	US	14 cm	5 1/2"	GENERAL/PLASTIC	0.5 mm points
30622	CUSHING	US	15.9 cm	6 1/4"	GENERAL/PLASTIC	1 mm round points
30623	JANSEN BAYONET	US	17.8 cm	7"	GENERAL/PLASTIC	1 mm round points

CE 0120

FDA Approved

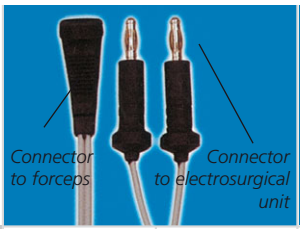
ADSON

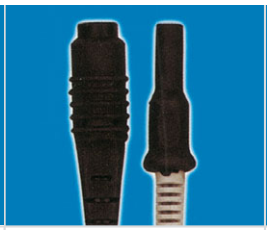


BIPOLAR CABLES FOR MAJOR BRANDS

CE 0120

Quality highly flexible silicone bipolar cables.
Autoclavable at 134°C up to 70 times 3 m long (10").
Suitable for most generators, see below compatibility, and with connector for European or US forceps





GIMA code	30640	30637	30643	30639	30638
Connector to forceps	EU	US	EU	EU	EU
Connector to electrosurgical unit (check beside compatibility list for brand and model)	4 mm banana plug GIMA (MB240/250/380/400) VALLEY LAB CONMED, CODMAN OLYMPUS		GIMA MB122 MB160 MB132 MB200 MB202	MARTIN BERTHOLD AESCULAP WOLF	ERBE SELECT DOWN SIEMENS